REMARKS

The above amendment is presented to eliminate multiple dependent claims, thereby reducing PTO filing fees.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is entitled "**Version with Markings to Show Changes Made**".

In the above amendment, original claim 11 is divided into claim 11 (amended) and new claim 18.

Use claims 12 and 16 have been deleted.

Claim 17 has been divided into claim 17 (amended) and new claim 18.

Favorable action on the merits is now requested.

Respectfully submitted,

Helmut SCHWAB et al.

By ________________
Matthew Jacob
Registration No. 25,154
Attorney for Applicants

MJ/pjm
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend claims 7, 11 to 15, 16 and 17 as follows:

7. **(Amended)** A recombinant protein, which can be prepared in suitable host cells by heterologous expression of the DNA sequence of the *Prunus amygdalus HNL* genes as claimed in [any of claims] claim 1 [to 6].

11. **(Amended)** The recombinant protein as claimed in claim 7, wherein the protein has the amino acid sequence derived from the nucleotide sequence of the gene [as claimed in claim 3 or 4] containing a DNA sequence coding for hydroxynitrile lyase, which gene can be prepared from a primer combination based on the DNA sequences of the 5'-region of the *Prunus serotina mdl5* gene and of the *Prunus amygdalus* MDL1 gene, subsequent amplification with a DNA polymerase from organisms containing genes coding for hydroxynitrile lyase, as templaes and cloning, and which gene has the nucleotide sequence depicted in figure 1 or is at least 80% identical thereto.

13. **(Amended)** A fusion protein or heterologous protein with hydroxynitrile lyase activity which can be prepared by using a DNA sequence of genes as claimed in claim 1 [to 6], which codes for the signal peptide of a hydroxynitrile lyase of Rosacea species, and by secretory expression thereof in host cells.

14. **(Amended)** The fusion protein as claimed in claim 13, wherein the fusion protein has the nucleic acid sequence depicted in figure 4, comprising sequences of the gene[as claimed in claim 3] containing a DNA sequence coding for hydroxynitrile lyase, which gene can be prepared from a primer combination based on the DNA sequence of the 5'-region of the *Prunus serotina mdl5* gene and of the *Prunus amygdalus MDL1* gene, subsequent amplification with a DNA polymerase from organisms containing genes coding for hydroxynitrile lyase, as templates and cloning, and which gene has the nucleotide sequence

depicted in figure 1 or is at least 80% identical thereto and the *Aspergillus* niger glucose oxidase gene, and also the amino acid sequence according to figure 5, which is derived from said nucleic acid sequence.

17. **(Amended)** A process for preparing (R)- or (S)-cyanohydrins, which comprises reacting aliphatic, aromatic or heteroaromatic aldehydes and ketones with proteins as claimed in [any of claims 7-11 or 13-15] claim 7 in an organic, aqueous or 2-phase system or in emulsion in the presence of a cyanide group donor.